



TITLE:

COMPOSITION OF THE FIXED SEA URCHIN COLONY ON HATAKEZIMA ISLAND, 1970

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Composition of the echinid population was examined in the fixed colony on Hatakezima Island on July 19, 1970. The water was lowest, -3 cm, at 12:17; it was fine, the sea was calm, and a breeze blew from the south. The ratio of the number of *Echinostrephus* to that of *Anthocardaris* (E/A) was 1.006, a little larger than in 1966-1969; this was seemingly brought about by a little decrease of *Anthocardaris* in the area, while the density of *Echinostrephus* remained as it was in 1969. For previous data see: Publ. Seto Mar. Biol. Lab., vol. 11, no. 2, 1963, pp. 415-424; *ibid.*, vol. 14, no. 1, 1966, pp. 7-16; and *ibid.*, vol. 17, no. 3, 1969, pp. 187-191.

Table 1. Population composition in the fixed echinid colony in July, 1970.

1970, July 19	Section 1 (SW)	Section 2 (NW)	Section 3 (SE)	Section 4 (NE)	Total	Percent
<i>Anthocardaris crassispina</i>	71	86	120	55	332	45.9
<i>Echinostrephus aciculatus</i>	51	148	81	54	334	46.2
<i>Echinometra mathaei</i>	1	13	16	15	45	6.2
<i>Mespilia globulus</i>	5	3	1	2	11	1.5
<i>Hemicentrotus pulcherrimus</i>				1	1	0.1
<i>Pseudocentrotus depressus</i>	1				1	0.1
					724	100.0

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